**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 9/2 – 9/5**

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| **Standard IB:** Students will be able to describe patterns and departures from patterns using positions, percentiles, and standardized scores (z-scores).**Standard IIIC:** Students will be able to describe properties of the Normal distribution and use it as a model for measurements.**Assessment(s):** [x]  **Quiz** [ ]  **Unit Test** [x]  **MathXL** [ ]  **Lab** [ ]  **FRQ** |
|  | **Learning Target****(I am learning about…)** | **Criteria for Success****(I can…)** | **Opening***(10 - 15 Mins)* |  **Work-Session***(20 - 25 mins)* | **Closing** *(5 - 10 mins)* | **Literacy Tasks/Focus** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* |
| **Monday** | Holiday |  |  |  |  |  |
| **Tuesday** | I can use what I know about Normal distributions to solve application problems. |  I can “work backwards” with Normal models. | What z-score cuts off the top 10% of area under the standard Normal curve? Justify your response. | Notes and model examples for Chapter 5: Standard Deviation and the Normal Curve pages 116 – 123 | Teacher displays the Normal probability plot on TI-84 and students discuss what it shows them with a partner. | See Opening & Closing |
| **Wednesday** | I am learning how to use Normal models to determine percentiles | I can determine the area under and percentiles within Normal distributions | #3 Practice Problems for Chapter 5 | #10 Practice Problems for Chapter 5 with teacher guidance | #53 Practice Problems for Chapter 5 | Who’s homerun feat was more impressive? Why? |
| **Thursday** | I can use what I know about Normal distributions to solve application problems. | I can calculate z-scores and determine percentiles of interest for real-world applications using technology. | 1a and 1b on the Chapter 5 Practice & Review\*Formative | Complete the **Chapter 5 Practice & Review**\*Formative | Project Exemplars and do nots\*MML is due tomorrow & Study for Quiz | Discussion, solicit feedback and commentary with exemplars and do nots |
| **Friday** | I can use what I know about Normal distributions to solve application problems. | I can calculate z-scores and determine percentiles of interest for real-world applications using technology. | Quick Study time with Q&A | **Chapter 5** **Quiz**\*Summative |  | Application problems on quiz require explanation or justification for responses |

**\***[ ]  Exit Ticket/Final Stretch Check [x]  Electronic Tools [ ]  Dry Erase Boards – quick checks [x]  Turn & Talk Discussion (verbal responses) [x]  Teacher Observation – document Clipboard

 [ ]  Quick Write/Draw [ ]  Annotation [ ]  Extended Writing [x]  Socratic Seminar [ ]  Jigsaw [ ]  Thinking Maps [x]  Worked Examples [ ]  Other : \_\_\_\_\_\_\_\_\_\_\_